



JP9327292

Publication Title:

MODIFIED PROTEIN OF PROTEIN KINASE N

Abstract:

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PROBLEM TO BE SOLVED: To obtain a new peptide (derivative), having a modified amino acid sequence of a protein kinase N having the ability to bond to an active type Rho protein without any protein kinase activities and capable of suppressing tumorigenesis or metastasis. **SOLUTION:** This modified protein of a protein kinase N is a new peptide having a modified amino acid sequence of the protein kinase N having the ability to bond to an active type Rho protein without any protein kinase activities or its derivative and is useful as a suppressant, etc., for tumorigenesis or metastasis. The peptide or its derivative is obtained by adding a buffer for homogenization containing 4M NaCl in an amount equal to that of a bovine cerebral cinerea thereto, extracting the cinerea, then dialyzing the extracted solution, adding ammonium sulfate to the resultant dialyzate so as to provide a concentration of 40% saturation, separating the formed precipitate, dissolving the separated precipitate in a buffer solution, passing the resultant solution through an immobilized glutathione column, treating a fraction passing therethrough without adsorbing with an immobilized glutathione column containing a glutathione S-transferase-low molecular weight G protein treated with a guanine nucleotide and purifying the resultant eluate. Data supplied from the esp@cenet database - Worldwide

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